Title (en)
LIQUID TONER APPLICATION SYSTEM

Title (de)
VORRICHTUNG ZUM AUFTRAGEN VON FLÜSSIGEM TONER

Title (fr)
SYSTEME D'APPLICATION DE TONER LIQUIDE

Publication
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Application
EP 01934281 A 20010521

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Abstract (en)
[origin: WO0192962A2] A coating system comprising: a rotating roller; an electrode having a surface located adjacent the roller that defines a space between the surface of the roller and the electrode surface, which spacehas first and second apertures located at different angular positions about the axis of the roller, wherein the electrode surface is formed with at least one drain aperture located between the first and second apertures; a voltage source that applies a voltage difference between the electrode and the roller; and a source of liquid toner comprising charged toner particles dispersed in a carrierliquid that discharges the liquid toner into the space through the first aperture, wherein a portion of the liquid toner discharged into the space coats a region of the surface of the roller that passes by the electrode, a portion exits the space through the second aperture and a portion exits through the at least one drain aperture.

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